

Freight Transportation Rates A Multimodal Approach

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DOT Strategic Plan Outcome Goals

- Safety
- Mobility
- Economic Growth
- Human and Natural Environment
- National Security

Outcome Goal:

Reduce the cost of transportation for
the individual user

Question:

How to aggregate the prices charged
by different modes?

Methodology

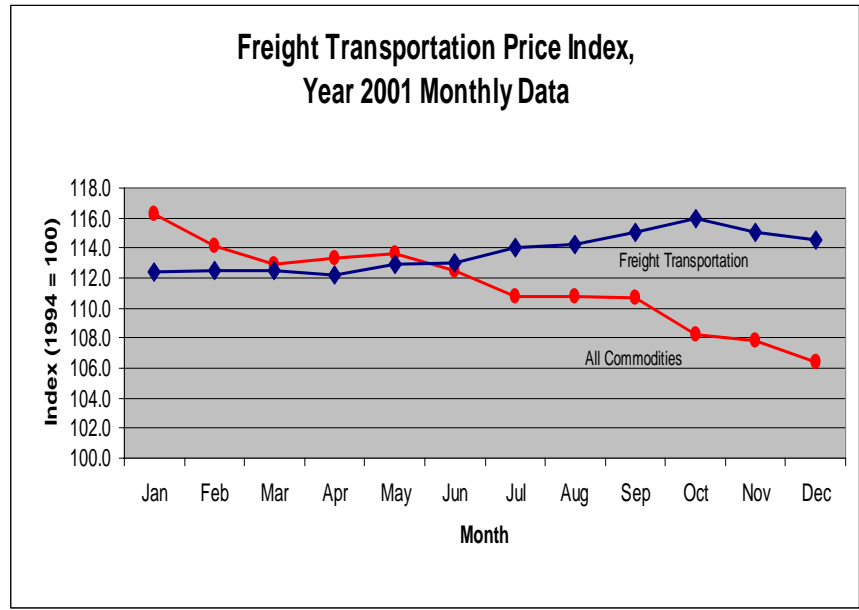
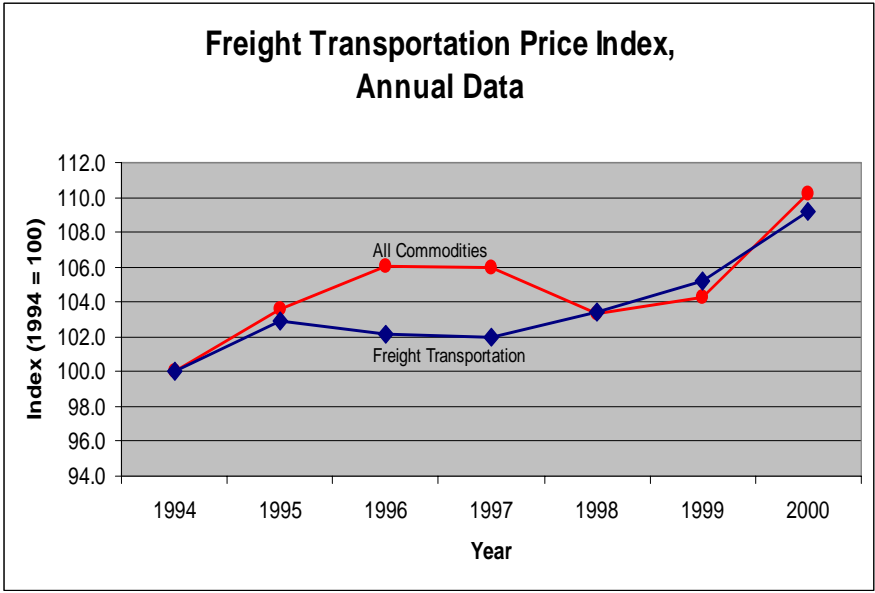
- Use Producer Price Index (PPI) series for freight transportation
- PPI is an index of prices charged by producers
- Weight each series by ton-miles
- Ton-miles is a standard measure of freight output

Producer Price Indexes

- Air: Scheduled Air Cargo Transportation
- Truck: Trucking and Courier Services, Except Air
- Rail: Railroads, Linehaul Operating
- Water: Water Transportation
- Pipeline: Pipelines, Except Natural Gas

Domestic Ton-Mile Estimates

- Air: Air Carrier Traffic Statistics Monthly
- Truck: TSAR + Oak Ridge + FHWA
- Rail: Carload Waybill Sample + Transport Canada
- Water: Waterborne Commerce of the US
- Pipeline: Association of Oil Pipelines; Natural Gas Annual



Further Work

- Output measures for trucking, gas pipelines
- Revenue weights